

APPENDIX IV

LAND USE/LAND COVER	AREAS IN HUC-10 SUBWATERSHEDS (ACRES)		
	01	02	03
Bare Rock, Sand, Clay	1		
Deciduous Forest	147,316	144,074	45,528
Emergent Herbaceous Wetlands	6	102	1
Evergreen Forest	8,721	8,083	1,055
High Intensity: Commercial/Industrial/Transportation	569	602	101
High Intensity: Residential	98	127	27
Low Intensity: Residential	739	823	185
Mixed Forest	7,924	10,014	1,785
Open Water	1,134	1,405	19
Other Grasses: Urban/Recreational	587	468	120
Pasture/Hay	30,365	18,467	1,883
Row Crops	26,357	11,356	2,166
Transitional	7,207	3,012	401
Woody Wetlands	2,094	1,906	44
Quarries/Strip Mines	48	44	19
Total	233,168	200,482	54,335

Table A4-1. Land Use Distribution in Buffalo River Watershed by HUC-10. Data are from 1992 Multi-Resolution Land Characterization (MRLC) derived by applying a generalized Anderson Level II system to mosaics of Landsat thematic mapper images collected every five years.

HYDROLOGIC SOIL GROUPS
GROUP A SOILS have low runoff potential and high infiltration rates even when wet. They consist chiefly of sand and gravel and are well to excessively drained.
GROUP B SOILS have moderate infiltration rates when wet and consist chiefly of soils that are moderately deep to deep, moderately to well drained, and moderately coarse to coarse textures.
GROUP C SOILS have low infiltration rates when wet and consist chiefly of soils having a layer that impedes downward movement of water with moderately fine to fine texture.
GROUP D SOILS have high runoff potential, very low infiltration rates, and consist chiefly of clay soils.

Table A4-2. Hydrologic Soil Groups in Tennessee as Described in WCS.

STATION	HUC-10	AGENCY	STREAM NAME	AREA (SQ MILES)	LOW FLOW (CFS)		
					1Q10	7Q10	3Q20
03604000	0604000402	USGS	Buffalo River	447	102	107	93.7
03604070	0604000402	USGS	Coon Creek Tributary				
03604080	0604000402	USGS	Hugh Hollow Branch				
03604090	0604000402	USGS	Coon Creek				
03604100	0604000402	USGS	Coon Creek	10.1	0.3	0.4	0.2
03604400	0604000402	USGS	Buffalo River	702	158	178	159
03604500	0604000402	USGS	Buffalo River				
03603800	0604000403	USGS	Chalk Creek				
03604200	0604000403	USGS	Cane Creek	45.1	11.5	12.0	10.6

Table A4-3. Historical Streamflow Data Summary Based on Mean Daily Flows in Buffalo River Watershed. USGS, United States Geological Survey. Additional information may be found at: <http://nwis.waterdata.usgs.gov/tn/nwis/discharge>

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TDEC			Brush Creek	0604000401
TDEC	BUFFA093.5LS		Buffalo River @ RM 93.5	0604000401
TDEC	FORTY000.4WE		Fortyeight Creek @ RM 0.4	0604000401
TDEC	LBUFF006.5LW		Little Buffalo River @ RM 6.5	0604000401
TDEC	NFSAW000.3LW		North Fork Saw Creek @ RM 0.3	0604000401
TDEC	ROCKH008.2LS		Rockhouse Creek @ RM 8.2	0604000401
TDEC	ROCKH1T0.6LS		UT To Rockhouse Creek @ RM 0.6	0604000401
TDEC	ROCKH1T0.8LS		UT To Rockhouse Creek @ RM 0.8	0604000401
TVA	476343		Buffalo River	0604000401
TVA	476315		Buffalo River At Metal Ford	0604000401
TVA	476316		Buffalo River At Metal Ford	0604000401
TVA	476317		Buffalo River At Metal Ford	0604000401
TVA	476341		Unnamed Tributary	0604000401
TDEC			Buffalo River	0604000402
TDEC	408		Buffalo River	0604000402
TDEC	BUFFA017.7PE		Buffalo River @ RM 17.7	0604000402
TDEC	BUFFA073.1WE	000408	Buffalo River @ RM 73.1	0604000402
TDEC	GREEN010.5WE		Green River @ RM 10.5	0604000402
TVA	475047		Buffalo River	0604000402
TVA	475794		Buffalo River	0604000402
TVA	475840		Buffalo River	0604000402
TVA	475867		Buffalo River	0604000402
TVA	475868		Buffalo River	0604000402
TVA	475872		Green River	0604000402
USEPA	2301		Buffalo River	0604000402
TDEC	CANE004.1PE		Cane Creek @ RM 4.1	0604000403

Table A4-4. STORET Water Quality Monitoring Stations in the Buffalo River Watershed. RM, River Mile; TDEC, Tennessee Department of Environment and Conservation; TVA, Tennessee Valley Authority; USEPA, United States Environmental Protection Agency. UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	SIC	SIC NAME	MADI	WATERBODY	HUC-10
TN0056545	Summertown High School	4952	Sewerage Systems	Minor	Mile 0.1 of a ditch to North Fork Saw Creek @ RM 1.2	0604000401
TN0020087	Hohenwald High School	4952	Sewerage Systems	Minor	Rockhouse Creek @ RM 9.5	0604000401
TN0021695	Waynesboro STP	4952	Sewerage Systems	Minor	Green River @ RM 11.9	0604000402
TN0020818	Lobelville STP	4952	Sewerage Systems	Minor	Buffalo River @ RM 26.0	0604000402
TN0075922	Pilot Travel Center #053	5541	Gasoline Service Station	Minor	UT to Black Branch	0604000402
TN0064394	Linden Lagoon	4952	Sewerage Systems	Minor	Buffalo River @ RM 40.0	0604000402
TN0067865	Humphreys County-Buffalo Community STP	4952	Sewerage Systems	Minor	Buffalo River @ RM11.0	0604000402

Table A4-5. NPDES Permittees in the Buffalo River Watershed. RM, River Mile; SIC, Standard Industrial Classification; MADI, Major Discharge Indicator; UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	WATERBODY	HUC-10
TN0065099	Town of Linden WTP	Buffalo River @ RM 42.9	0604000402

Table A4-6. Water Treatment Plants in the Buffalo River Watershed. RM; River Mile.

FACILITY NUMBER	FACILITY NAME	WATERBODY	HUC-10
TNG110004	V & W Ready Mix Concrete	WWC to Rockhouse Creek	0604000401
TNG110247	River City Concrete, Inc.	Mink Creek	0604000402

Table A4-7. Ready Mix Concrete Plants in the Buffalo River Watershed. WWC, Wet Weather Conveyance.

LOG NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-10
NRS01.173	Lawrence	Pipeline Crossing	Brewers Branch	0604000401
NRS01.184	Lawrence		Beuerline Creek	0604000401
NRS01.223	Lawrence	Crossing Bluewater Creek Plus Two Tribs	Bluewater Creek and 2 UTs to Bluewater Creek	0604000401
NRS02.403	Lawrence	200' Rip-Rap	Buffalo River	0604000401
NRS00.316	Lawrence	Water Withdrawal	Buffalo River	0604000401
NRS01.052	Lawrence	Railroad Bridge Replacement	Buffalo River	0604000401
NRS01.413E	Lewis	Bank Stabilization	Rockhouse Branch	0604000401
NRS00.354	Lewis	Concrete Mats Over Exposed Gas Pipes	Rockhouse Branch	0604000401
NRS02.265	Lewis	Bank Stabilization	Rockhouse Branch	0604000401
NRS01.413F	Lewis	Bank Stabilization	Rockhouse Branch	0604000401
NRS03.354	Perry	SR-20 Bridge and Approach	Buffalo River and Short Creek	0604000402
NRS02.029	Wayne	Rip-Rap	Chalk Creek	0604000402
NRS04.012	Wayne	Emergency Watershed Protection	Barfnett Branch	0604000402
NRS04.012B	Wayne	Emergency Watershed Protection	Green River	0604000402
NRS02.030	Wayne	Rip-Rap	Moccasin Creek	0604000402
NRS01.413C	Lewis	Bank Stabilization	Goodman Branch	0604000402
NRS02.023	Perry	Bridge Repair	King Branch	0604000402
NRS02.078	Perry	Water Line Crossing	Cane Creek	0604000403
NRS02.188	Lewis	Bridge Repair	UT to Ashton Branch	0604000403
NRS01.413D	Lewis	Bank Stabilization	Norman Hollow Branch	0604000403
NRS01.413B	Lewis	Bank Stabilization	Goodman Branch	0604000403
NRS01.413G	Lewis	Bank Stabilization	South Fork Cane Creek	0604000403

Table A4-8. Individual ARAP Permits Issued January 2000 Through June 2004 in Buffalo River Watershed. UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	SECTOR	RECEIVING STREAM	AREA*	HUC-10
TNR056258	Rail's Auto Salvage	M	North Fork Buffalo River	15	0604000401
TNR056450	Auto Mart Salvage	M	UT to Oehmen Branch to West Fork Buffalo River	23.89	0604000401
TNR054508	SW Apparel Corp.	V	Unknown	0.4	0604000401
TNR054161	The Sawmill, Inc.	A	Rockhouse Creek	32	0604000401
TNR053860	Reliable Products, Inc.	Y	Ferguson Branch and Buffalo River	10	0604000402
TNR055938	Graham Lumber Co.	A	Lick Creek to Cypress Creek	6	0604000402
TNR055044	T-N-T Hardwoods	A	Cane Creek	3	0604000403

Table A4-9. Active Permitted TMSP Facilities in the Buffalo River Watershed. Area, acres of property associated with industrial activity; UT, Unnamed Tributary. Sector details may be found in Table A4-10.

SECTOR	TMSP SECTOR NAME
A	Timber Products Facilities
AA	Facilities That Manufacture Metal Products including Jewelry, Silverware and Plated Ware
AB	Facilities That Manufacture Transportation Equipment, Industrial or Commercial Machinery
AC	Facilities That Manufacture Electronic and Electrical Equipment and Components, Photographic and Optical Goods
AD	Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Required)
AE	Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Not Required)
B	Paper and Allied Products Manufacturing Facilities
C	Chemical and Allied Products Manufacturing Facilities
D	Asphalt Paving, Roofing Materials, and Lubricant Manufacturing Facilities
E	Glass, Clay, Cement, Concrete, and Gypsum Product Manufacturing Facilities
F	Primary Metals Facilities
G	Metal Mines (Ore Mining and Dressing) (RESERVED)
H	Inactive Coal Mines and Inactive Coal Mining-Related Facilities
I	Oil or Gas Extraction Facilities
J	Construction Sand and Gravel Mining and Processing and Dimension Stone Mining and Quarrying Facilities
K	Hazardous Waste Treatment Storage or Disposal Facilities
L	Landfills and Land Application Sites
M	Automobile Salvage Yards
N	Scrap Recycling and Waste and Recycling Facilities
O	Steam Electric Power Generating Facilities
P	Vehicle Maintenance or Equipment Cleaning areas at Motor Freight Transportation Facilities, Passenger Transportation Facilities, Petroleum Bulk Oil Stations and Terminals, the United States Postal Service, or Railroad Transportation Facilities
Q	Vehicle Maintenance Areas and Equipment Cleaning Areas of Water Transportation Facilities
R	Ship or Boat Building and Repair Yards
S	Vehicle Maintenance Areas, Equipment Cleaning Areas or From Airport Deicing Operations located at Air Transportation Facilities
T	Wastewater Treatment Works
U	Food and Kindred Products Facilities
V	Textile Mills, Apparel and other Fabric Product Manufacturing Facilities
W	Furniture and Fixture Manufacturing Facilities
X	Printing and Platemaking Facilities
Y	Rubber and Miscellaneous Plastic Product Manufacturing Facilities
Z	Leather Tanning and Finishing Facilities

Table A4-10. TMSP Sectors and Descriptions.